

FORM PTO-1449

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

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Applicant(s) Karl Josephy, et al.

Group Art Unit 1742 1732

Examiner Name Not assigned

U.S. PATENT DOCUMENTS

| EXAMINER INITIALS | DOCUMENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|-----------------|------------|------------------|-------|----------|----------------------------|
| MJV | 4,100,317 | 07/1978 | Narui et al. | 428 | 137 | |
| | 4,168,986 | 09/1979 | Venis, Jr. | 106 | 29 | RECEIVED |
| | 4,528,235 | 07/1985 | Sacks et al. | 428 | 220 | OCT 16 2001 |
| | 4,647,818 | 03/1987 | Ham | 315 | 111.21 | |
| | 4,682,565 | 07/1987 | Carrico | 118 | 719 | TC 1700 |
| | 4,696,719 | 09/1987 | Bischoff | 202 | 205 | |
| | 4,842,893 | 06/1989 | Yializis et al. | 427 | 44 | |
| | 4,954,371 | 09/1990 | Yializis | 427 | 44 | |
| | 5,032,461 | 07/1991 | Shaw et al. | 428 | 461 | |
| | 5,018,048 | 05/1991 | Shaw et al. | 361 | 323 | |
| | 5,125,138 | 06/1992 | Shaw et al. | 29 | 25.42 | |
| | 5,260,095 | 11/1993 | Affinito | 427 | 124 | |
| | 5,569,535 | 10/1996 | Phillips et al. | 428 | 403 | |
| | 5,795,649 | 08/1999 | Cosentino et al. | 428 | 336 | |
| | 5,811,183 | 09/1998 | Shaw et al. | 428 | 336 | |
| | 5,877,895 | 03/1999 | Shaw et al. | 359 | 588 | |
| MJV | 6,270,840 | 08/2001 | Weinert | 427 | 251 | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIALS | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION | |
|-------------------|-----------------|------------------|------------------------------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| MJV | 08283879 | 10/1996 | EPO Abstract of Japan Patent | — | — | | |
| | 1,198,044 | 07/1970 | Great Britain | — | — | | |
| | 1 520 619 | 08/1978 | Great Britain | — | — | | |
| | 0 081 599 | 06/1983 | EPO | — | — | | |
| | 0 227 423 | 07/1987 | EPO | — | — | | |
| | 98/24839 | 06/1998 | WIPO | — | — | | |
| MJV | 00/18978 | 04/2000 | WIPO | — | — | | |

OTHER DOCUMENTS

| | |
|-------------------|--|
| EXAMINER INITIALS | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
| MJV | V. Svorcik et al. (1997), <u>Journal of Materials Science Letters</u> 16, "Deposition of polystyrene films by vacuum evaporation," pp. 1564-1566. |

M. Vargat

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OTHER DOCUMENTS

| | | | |
|--------------------|--|-----------------|---------|
| EXAMINER INITIALS | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | |
| MOU | PCT, International Preliminary Examination Report, dated 31 January 2001, by European Patent Office as International Preliminary Examining Authority, Authorized Officer H. Werner (5 pages). | | |
| | W.J. WARD, G.L. GAINES, JR., M.M. ALGER AND T.J. STANLEY, "Gas barrier improvement using vermiculite and mica in polymer films," (1991), pgs. 173-180, <i>Journal of Membrane Science</i> , 55, Elsevier Science Publishers B.V., Amsterdam. | | |
| | E.L. CUSSLER, STEPHANIE E. HUGHES, WILLIAM J. WARD, III and RUTHERFORD ARIS, "Barrier Membranes," (1988), pgs 161-174, <i>Journal of Membrane Science</i> , 38, Elsevier Science Publishers B.V., Amsterdam | | |
| | F. CARRASCO and P. PAGES, "Thermogravimetric Analysis of Polystyrene: Influence of Sample Weight and Heating Rate on Thermal and Kinetic Parameters," (1996), pgs. 187-197, <i>Journal of Applied Polymer Science</i> , Vol. 61, John Wiley & Sons, Inc. | | |
| | TADAHIRO MURAKATA, MANABU SAITO, HIROYASU SATO, TOHRU HIRAI, SHIMIO SATO, "Selective Pyrolysis of Polystyrene to That with a Desired Low Polymeric Degree," (1998), pgs. 2299-2305, <i>Journal of Applied Polymer Science</i> , Vol. 70, John Wiley & Sons, Inc. | | |
| | FABIO BERTINI, GUIDO AUDISIO, PIER LUIGI BELTRAME, LAURA BERGAMASCO, ANTONELLA CASTELLI, "Hydrous Pyrolysis of Silica-Supported Polystyrene," (1998), pgs. 2291-2298, <i>Journal of Applied Polymer Science</i> , Vol. 70, John Wiley & Sons, Inc. | | |
| | Y.D.M. SIMARD, M.R. KAMAL, and D.G. COOPER, "Thermolysis of Polystyrene," (1995), pgs. 843-851, <i>Journal of Applied Polymer Science</i> , Vol. 58, John Wiley & Sons, Inc. | | |
| | N. INAGAKI, S. TASAKA, and Y. NOZUE, "Plasma Polymerization of Metal Acetylacetones and Application for Gas Sensor Devices," (1992), pgs. 1041-1048, <i>Journal of Applied Polymer Science</i> , Vol. 45, John Wiley & Sons, Inc. | | |
| | V. SVORCIK, V. RYBKA, K. EFIMENKO, and V. HNATOWICZ, "Deposition of polystyrene films by vacuum evaporation," (1997), pgs. 1564-1566, <i>Journal of Materials Science Letters</i> 16, Chapman & Hall | | |
| | R.H. STILL and A. WHITEHEAD, "Thermal Degradation of Polymers. XV. Vacuum Pyrolysis Studies on Poly (p-methoxystyrene) and Poly (p-hydroxystyrene)," (1977), pgs. 1199-1213, <i>Journal of Applied Polymer Science</i> , Vol. 21, John Wiley & Sons, Inc. | | |
| | G.G. CAMERON and I.T. McWALTER, "On Transfer Reactions During Vacuum Pyrolysis of Polystyrene," (1970), pgs. 1601-1603, <i>European Polymer Journal</i> , Vol. 6, Pergamon Press, England | | |
| | D.A. SMITH, J.T. WETZEL and A.R. TARANKO, "Surface Relief and the Orientation of Vapor Deposited Films," (1985), pgs. 77-82, <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 37 | | |
| | H. HAEFKE and M. KROHN and A. PANOV, "The Surface Structure of Vapour- Deposited Films and AgBr and AbCl," (1980); pgs. 7-12, <i>Journal of Crystal Growth</i> 49, North-Holland Publishing Company | | |
| | M. YANDOUZI, L. TOTH, V. VASUDEVAN, M CANNAERTS, C.VAN HAESENDONCK and J. SCHRYVERS, "Epitaxial Ni-Al thin films on VaCl using a Ag buffer layer," (2000), pgs. 719-724, <i>Philosophical Magazine Letters</i> , Vol. 80, No. 11, Taylor & Francis Ltd. | | |
| | GIRIDHAR MADRAS, G.Y. CHUNG, J.M. SMITH, and BENJAMIN J. MCCOY, "Molecular Weight Effect on the Dynamics of Polystyrene Degradation," (1997) pgs. 2019-2024, <i>Ind. Eng. Chem Res.</i> , Vol. 36 | | |
| MOU | JOSEPH E. GREENE, "Nucleation, Film Growth, and Microstructural Evolution," pgs. 681-739, <i>Deposition Technologies for Films and Coatings</i> | | |
| EXAMINER SIGNATURE | M. Vangast | DATE CONSIDERED | 9/22/03 |

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